

# U.S. Department of Energy Sustainability Performance Office DOE Sustainability SPOTlight

Issue 23 July 2013

## SUSTAINABILITY NEWS

### President Obama Unveils Climate Plan and New Federal Renewable Energy Goal



President Obama unveiled a new climate action plan on June 25. The plan highlights the success of the Federal government in reducing GHGs by 15 percent since 2008. DOE has reduced GHGs by 34 percent during this period.

As one of its many measures, the plan calls on Federal facilities to increase their renewable energy consumption to 20 percent by 2020—more than double the current goal of 7.5 percent. DOE obtained 17.5 percent of its electricity from renewable sources in FY 2012.

The plan also directs Federal agencies to improve upon their existing Climate Change Adaptation planning efforts, including integrating climate risk-management considerations into infrastructure planning and removing barriers to making climate resilient investments.

To view the details of the plan, visit:  <http://www.whitehouse.gov/sites/default/files/image/president27climateactionplan.pdf>

### Sustainability Peer-to-Peer (P2P) Network

Peer-to-Peer (P2P) is an emerging network of DOE sustainability subject matter experts that leverage knowledge, expertise, and resources from across the DOE complex to help achieve our federal sustainability goals and requirements. P2P is being kicked off by a core team of site-level sustainability program managers representing various DOE programs, with support from the Sustainability Performance Office (SPO).



The team is currently working to identify the major impediments to progress in key sustainability goal areas and are considering ways to leverage the broader DOE network to address these issues. Sustainability goal areas currently being evaluated include: High Performance Sustainable Buildings, including energy use; municipal and construction waste diversion; fleet fuels management; sustainable acquisition; water use; electronic stewardship; and commuting/teleworking.

For additional information regarding the P2P network, please contact Paul Estabrooks of the SPO at [paul.estabrooks@hq.doe.gov](mailto:paul.estabrooks@hq.doe.gov) or (202) 586-8645.

### CEQ Opens GreenGov Presidential Awards

In June, the Council on Environmental Quality (CEQ) opened the awards process for the 2013 GreenGov Presidential Awards, which recognize exemplary individuals, teams, and projects that lead by example in sustainability. This year, there are seven award

*The* 2012 GREENGOV  
PRESIDENTIAL AWARDS

categories: Sustainability Hero; Green Innovation; Lean, Clean and Green; Good Neighbor; Green Dream Team; Building the Future; Climate Champion.

Nominations are due July 12. For descriptions of the awards and links to the nomination form, visit: <https://www.fedcenter.gov/opportunities/awards/greengovpresidentialawards/>

## SUSTAINABILITY SUPERSTAR



Herb Debban, Director of Facilities at ORNL and sponsor of the Sustainable Campus Initiative, recently accepted the Roane Beautification Award for modernization efforts at the lab over the past decade.

*Send us your champion!*

## UPCOMING EVENTS AND MILESTONES



(Click to view SPO Calendar) ↑

### Courses, Webinars, and Events

July 10: [Reuse is Recycling Webinar \(GSA\)](#)

Aug 1: [Goal-Based Contracting for Energy Efficient Buildings Webinar](#)

Mid August: SSP Guidance Issued

Aug 27: [Introduction to UESC Webinar](#)

## ON-DEMAND TRAINING

### Certifications

[GSA-Sponsored LEED Training Certification for Federal Employees](#)

### Financing

[ESPCs for Small Sites](#)

[UESCs and Energy Project Funds](#)

### Buildings

[Commissioning for Federal Facilities](#)

[Operations, Maintenance, and Commissioning](#)

[Implementing Deep Retrofits](#)

### Water

[Water Efficiency Planning and Implementation](#)

### Data Centers

[Data Center Efficiency to ASHRAE Thermal Guidelines](#)

[Labs, Data Centers and High-Tech Facilities](#)

### Greenhouse Gas Reporting

[Federal GHG Accounting and Reporting](#)

### Sustainable Acquisition

[Energy-Efficient Product Procurement](#)

## SUSTAINABILITY NEWS

### DOE EISA 432 Update

In June, DOE completed its annual Energy Independence and Security Act (EISA) Section 432 Compliance Tracking System (CTS) upload, which tracks performance for energy and water evaluations, project implementation, and annual building benchmarking requirements. All major DOE sites contributed towards this milestone, and all requirements of the law were met.

DOE evaluated 100% of its covered facilities, which comprise 77.9% of all energy use within the Department. 768 buildings were benchmarked, more than doubling the total from the previous year.

Thank you to everyone for your hard work in completing this task!

### 2012 Federal Sustainability Scorecards Released

Federal agencies recently released their FY 2012 Office of Management and Budget (OMB) Sustainability and Energy Scorecards. These scorecards help agencies identify, target and track the best opportunities to lead by example in clean energy; and hold them accountable for meeting annual energy, water, pollution, and waste reduction targets. Based on scorecard benchmarks, each agency will update its annual Sustainability Plan to expand on successes and address areas needing improvement.

Review DOE's scorecard at: <http://sustainability.energy.gov/reports> and scorecards for all Federal agencies at: <http://sustainability.performance.gov/>

	Scope 142 GHG Emission Reduction Target For Scope 142 GHG Reduction Target of 28% by 2020: 94.3% reduction in 2012 and on track		Score: GREEN
	Scope 3 GHG Emission Reduction Target For Scope 3 GHG Reduction Target of 13% by 2020: 15.3% reduction in 2012 and on track		Score: GREEN
	Reduction in Energy Intensity Reduction in energy intensity in goal-subject facilities compared with 2007: 25.5% and on track for 30% by 2015		Score: GREEN
	Use of Renewable Energy Use of renewable energy as a percent of facility electricity use: Total of 17.5% from renewable electricity sources including at least 2.5% from new sources (thermal, mechanical, or electric)		Score: GREEN
	Reduction in Potable Water Intensity Reduction in potable water intensity compared with 2007: 16.6% and on track for 20% in 2010		Score: GREEN
	Reduction in Fleet Petroleum Use Reduction in fleet petroleum use compared to 2005: 8.4% and not on track		Score: RED
	Green Buildings Sustainable green buildings: 2.66% of buildings sustainable		Score: RED

## SUCCESS STORIES

### NREL: Not Your Average Parking Garage

While often overlooked, a typical parking garage consumes between 5 and 20 percent of the energy of the buildings it supports. NREL sought to minimize this energy use when constructing their newest parking garage. Even though parking garages are not eligible for LEED certification, it was designed to LEED Platinum standards.



*NREL's new garage is both more efficient and appealing than a typical structure*

Features include 36 charging spaces for electric vehicles, 1.1 MW of photovoltaic panels, LED lighting and control, and significant use of day lighting. The focus on energy performance during initial planning and solicitations led to a structure that will be 90% better than an equivalent garage built just to code. This vast efficiency improvement was achieved with no additional cost.

To learn more about the structure, including details on the energy specifications built in to the request for proposal, visit : [http://www.nrel.gov/sustainable\\_nrel/buildings\\_garage.html](http://www.nrel.gov/sustainable_nrel/buildings_garage.html)



Check out CEQ's latest GreenGov Leader newsletter: <http://go.usa.gov/g8yT>



U.S. DEPARTMENT OF  
**ENERGY**

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